



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890, Woodbridge Avenue, Edison, NJ 08837

Site Name: Rolling Knolls Landfill Superfund Site

City/Town: Chatham

State: NJ

Document Name: Data Gap Investigation Oversight QAPP

Review Date: 12/11/2014

Reviewer: Bill Sy

Project Manager: Tanya Mitchell

GENERAL COMMENTS: (No general comments)

SPECIFIC COMMENTS:

PROJECT MANAGEMENT and OBJECTIVES ELEMENTS

1. Worksheet #1 & 2 (This information was provided in the QAPP and addressed the requirements.)

2. Worksheet #3 & 5

The phone number for William Sy should be updated to (732) 321-6648.

3. Worksheet #4, 7 & 8 (This information was provided in the QAPP and addressed the requirements.)

4. Worksheet #6 (This information was provided in the QAPP and addressed the requirements.)

5. Worksheet #9 (This information was provided in the QAPP and addressed the requirements.)

6. Worksheet #10

The last statement in the worksheet indicated that the split sample results will be compared to the PRP's results using the criteria on precision described in Worksheet #37. However, Worksheet #37 outlined three comparison criteria that includes statistical testing and evaluating the average ratio between the PRP and the split samples. Please revised the statement to make it consistent with the work being planned.

7. Worksheet #11 (This information was provided in the QAPP and addressed the requirements.)

8. Worksheet #12

For the measurement criteria specifications between the split samples, please provide the rationale for selecting 50% RPD for the aqueous and 100% RPD for soil samples undergoing routine analysis. In addition, please also explain the selection of the 40% RPD for split samples analyzed for dioxin, PCB congeners and trace mercury.



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9. Worksheet #13 (This information was provided in the QAPP and addressed the requirements.)

10. Worksheet #14 & 16 (This information was provided in the QAPP and addressed the requirements.)

MEASUREMENT/DATA ACQUISITION ELEMENTS

11. Worksheet #15 (This information was provided in the QAPP and addressed the requirements.)

12. Worksheet #17 (This information was provided in the QAPP and addressed the requirements.)

13. Worksheet #18 (This information was provided in the QAPP and addressed the requirements.)

14. Worksheet #19 & 30 (This information was provided in the QAPP and addressed the requirements.)

15. Worksheet #20 (This information was provided in the QAPP and addressed the requirements.)

16. Worksheet #21 (This information was provided in the QAPP and addressed the requirements.)

17. Worksheet #22 (This information was provided in the QAPP and addressed the requirements.)

18. Worksheet #23 (This information was provided in the QAPP and addressed the requirements.)

19. Worksheet #24 (This information was provided in the QAPP and addressed the requirements.)

20. Worksheet #25 (This information was provided in the QAPP and addressed the requirements.)

21. Worksheet #26 & 27 (This information was provided in the QAPP and addressed the requirements.)

22. Worksheet #28

Comment #8 on the rationale for the measurement performance criteria with regards to the sample splits also apply for this worksheet.

23. Worksheet #29 (This information was provided in the QAPP and addressed the requirements.)

ASSESSMENT/OVERSIGHT ELEMENTS

24. Worksheet #31, 32 & 33 (This information was provided in the QAPP and addressed the requirements.)

DATA REVIEW ELEMENTS

25. Worksheet #34 (This information was provided in the QAPP and addressed the requirements.)

26. Worksheet #35 (This information was provided in the QAPP and addressed the requirements.)

27. Worksheet #36 (This information was provided in the QAPP and addressed the requirements.)

28. Worksheet #37

For this worksheet, it was specified that a 50% RPD will be used to evaluate the data pairs. This is not consistent with what is presented in Worksheets #12 and #28 as the criteria that will be used to evaluate the



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sample splits. Please reconcile the information. In addition, please explain how the proposed statistical test will be used with the sample pair sizes being planned for this oversight. Some of the matrices involved only one or two sample pairs with groundwater from the permanent wells having the largest sample pair of 5. Also, it was not clear if the report to be provided as part of the split sampling data assessment will only include some conclusions and recommendations or will it be just a presentation of the analyte by analyte data comparison. Please elaborate.